

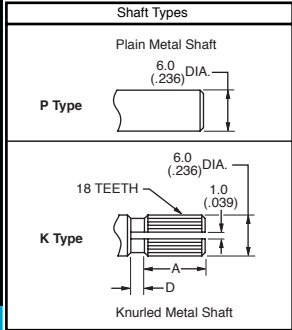
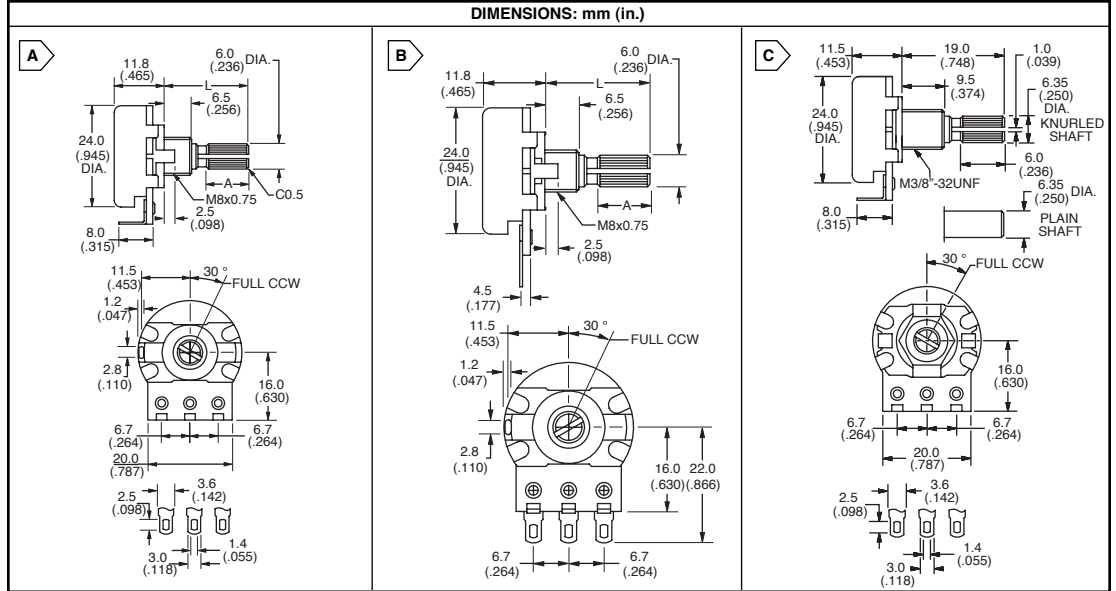
BOURNS 24mm Guitar Potentiometers



Reliable Electronic Solutions

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In line with our focus on the Professional Audio Market, Bourns® Sensors and Controls Division is pleased to announce the release of our new Model PDB24 - 24mm Panel Control. This new panel control provides an additional option to our growing portfolio of commercial panel controls. The most popular applications are electric guitars, sound processing equipment, and sound system amplifiers. These new panel controls are suitable for use in both professional and consumer applications.



PDB24 SERIES - 24MM ROTARY POTENTIOMETER

Specifications:

- Taper: Linear, Audio
- Standard Resistance Tolerance: $\pm 20\%$
- Residual Resistance:
 - R < 500K Ω - 10 Ω max.
 - R > 500K Ω - 0.1% max.
- Operating Temperature: -10°C to +70°C
- Power Rating:
 - Linear: 0.5W
 - Audio: 0.25W
- Maximum Operating Voltage:
 - Linear: 500V
 - Audio: 250V
- Rotational Noise: 150mV max.
- Mechanical Angle: 300° $\pm 5^\circ$
- Rotational Torque: 20 to 200g-cm

- Stop Strength: 8kg-cm. min.
- Rotational Life:
 - Standard: 15,000 cycles min.
 - High: 500,000 cycles min.
- Soldering Condition:
 - Manual: 300°C within 3 sec.
 - Wave: 260°C within 3 sec.
- Hardware: one flat washer and mounting nut supplied per potentiometer with bushing

Features:

- High rotational life
- Metal shaft styles
- Carbon element
- Center detent option
- Wide range of resistance tapers
- No Detent
- RoHS Compliant

Applications:

- Electric guitars
- Sound processing equipment
- Guitar and sound system amplifiers
- Appliances
- Various commercial applications



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For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Taper	Rotational Life	Terminal Configuration	Shaft Type	Price Each			
								1	25	100	1000
652-PDB241E420K103B0	PDB241-E420K-103B0	A	10K	Linear	15,000	Rear	K	2.68	2.35	2.01	1.68
652-PDB241E420K254A2	PDB241-E420K-254A2	A	250K	Audio	15,000	Rear	K	2.68	2.35	2.01	1.68
652-PDB241E420K254B0	PDB241-E420K-254B0	A	250K	Linear	15,000	Rear	K	2.68	2.35	2.01	1.68
652-PDB241E420K504A2	PDB241-E420K-504A2	A	500K	Audio	15,000	Rear	K	2.68	2.35	2.01	1.68
652-PDB241E420K504B0	PDB241-E420K-504B0	A	500K	Linear	15,000	Rear	K	2.68	2.35	2.01	1.68
652-PDB241E420P103B0	PDB241-E420P-103B0	A	10K	Linear	15,000	Rear	P	2.68	2.35	2.01	1.68
652-PDB241E420P254A2	PDB241-E420P-254A2	A	250K	Audio	15,000	Rear	P	2.68	2.35	2.01	1.68
652-PDB241E420P254B0	PDB241-E420P-254B0	A	250K	Linear	15,000	Rear	P	2.68	2.35	2.01	1.68
652-PDB241E420P504A2	PDB241-E420P-504A2	A	500K	Audio	15,000	Rear	P	2.68	2.35	2.01	1.68
652-PDB241E420P504B0	PDB241-E420P-504B0	A	500K	Linear	15,000	Rear	P	2.68	2.35	2.01	1.68
652-PDB241S420K103B0	PDB241-S420K-103B0	B	10K	Linear	15,000	Down	K	2.68	2.35	2.01	1.68
652-PDB241S420K254A2	PDB241-S420K-254A2	B	250K	Audio	15,000	Down	K	2.68	2.35	2.01	1.68
652-PDB241S420K504A2	PDB241-S420K-504A2	B	500K	Audio	15,000	Down	K	2.68	2.35	2.01	1.68
652-PDB241S420P103B0	PDB241-S420P-103B0	B	10K	Linear	15,000	Down	P	2.68	2.35	2.01	1.68
652-PDB241S420P254A2	PDB241-S420P-254A2	B	250K	Audio	15,000	Down	P	2.68	2.35	2.01	1.68
652-PDB241S420P504A2	PDB241-S420P-504A2	B	500K	Audio	15,000	Down	P	2.68	2.35	2.01	1.68
652-PDB242E420K254A2	PDB242-E420K-254A2	A	250K	Audio	500,000	Rear	K	4.08	3.57	3.06	2.55
652-PDB242E420K504A2	PDB242-E420K-504A2	A	500K	Audio	500,000	Rear	K	4.08	3.57	3.06	2.55

PDB241-GTR SERIES - 24MM GUITAR POTENTIOMETER

Specifications:

- Taper: Audio
- Standard Resistance: 250K Ω and 500K Ω
- Standard Resistance Tolerance: $\pm 20\%$
- Operating Temperature: -10°C to +70°C
- Power Rating: 0.25W
- Maximum Operating Voltage: 250V
- Rotational Noise: 150mV max.
- Mechanical Angle: 300° $\pm 5^\circ$
- Rotational Torque: 29 g-cm typical

- Stop Strength: 8 kg-cm. min.
- Rotational Life: 15,000 cycles min.
- Soldering Condition:
 - Manual Soldering: 300°C within 3 sec.
 - Wave Soldering: 260°C within 3 sec.
- Hardware: One flat washer and mounting nut supplied per potentiometer with bushing

Features:

- Low torque
- Carbon element
- Plain or Knurled shaft option
- ESD wave washer
- Metal bushing
- Metal shaft
- Rear solder lugs
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For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Taper	Rotational Life	Terminal Configuration	Shaft Type	Price Each			
								1	25	100	1000
652-PDB241GTR01254A2	PDB241-GTR01-254A2	C	250K	Audio	15,000	solder lugs	K	2.75	2.42	2.20	2.09
652-PDB241GTR01504A2	PDB241-GTR01-504A2	C	500K	Audio	15,000	solder lugs	K	2.75	2.42	2.20	2.09
652-PDB241GTR02254A2	PDB241-GTR02-254A2	C	250K	Audio	15,000	solder lugs	K	2.50	2.20	2.00	1.90
652-PDB241GTR02504A2	PDB241-GTR02-504A2	C	500K	Audio	15,000	solder lugs	K	2.50	2.20	2.00	1.90